



Carte PFC FRONT END

FEATURES

6U x 8TE x 160 mm
 Vin : 90-264Vac
 Output : 360Vdc
 Pout max : 1500W
 Fan cooled 2m/s min. (External)
 RoHS compliant



APPLICATIONS

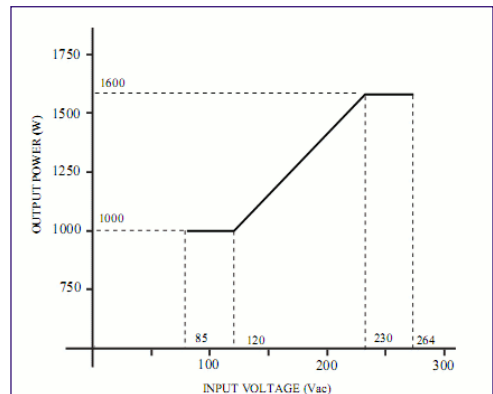
Power factor correction front end for : Industrial and hard environment

INPUT

Voltage range : 90-264Vac Frequency : 43 - 440 Hz
 Powerfactor correction EN61000-3-2
 Input protection : Transient and surges MIL-STD461 CS101, CS114, CS116
 Overcurrent: by Fuse

OUTPUT

Voltage : 360V / 4,2A
 Power : 1500W at 65°C with fan cooled 2m/s.
 Current limit, short circuit : protected on input
 Overvoltage : protected on input



			Conditions
	Typ.	Max.	
Line regulation	+/- 1,4 %	+/-2 %	Low line to high line ; 40 %
Load regulation	3,5 %	5 %	0 % to full load
Ripple and noise	4 %		Peak to peak - Bandwidth 20MHz according to o/p voltage

SIGNALS

Provide authorisation for the load to start up if EN+/EN- is activated and if establishment time of the PFC is finished
enable when +12Vmig-Vvalid =12V/80mA

Valid :

enable otherwise

(EN+ ; EN-) :

input for load enabling

disable when < 1V
enable when > 3V

ENVIRONMENTAL

Storage temperature :

-40°C to +100°C

Operating temperature :

-40°C to +65°C, ambient external air forced 2m/s min.

Mechanical, shock, acceleration :

built to meet MIL-STD-810E

EMI / EMC

MIL-STD-461E

built to meet CE101 limit Fig.CE101-4, CE102 limit Fig. CE102-1,

No laboratory certification, certified in the customer equipment.

ISOLATION

Input to Chassis :

2121 Vdc or 1500Vrms without Y capacitor

Input to +12Vmig & Vvalid :

4250 Vdc

Input signal to primary :

4250 Vdc

Input signal to Chassis :

2120Vdc

GENERAL

Safety :

built to meet EN60950

MECHANICALS

Weight : 1,3Kg

AC INPUT : DIN41612 F48Male

J1	DESCRIPTION
(z4, b4, d4) (z30,b30,d30) (z16,b16,d16) (z18,b18,d18)	NC
(z2, b2, d2) (z32,b32,d32)	EARTH
(z6, b6, d6) (z8,b8,d8) (z10,b10,d10) (z12,b12,d12) (z14,b14,d14)	L1
(z20,b20,d20) (z22,b22,d22) (z24,b24,d24) (z26,b26,d26) (z28,b28,d28)	L2



**DC OUTPUT & SIGNALS :
DIN41612 F48Male**

J2	DESCRIPTION
(z4, b4, d4) (z30,b30,d30) (z10,b10,d10) (z16,b16,d16) (z28,b28,d28) (z18,b18,d18)	NC
(z2, b2, d2) (z32,b32,d32)	EARTH
(z14,b14,d14)	+12VMIG
(z12,b12,d12)	VALID
(z20,b20,d20) (z22,b22,d22)	-OUT
(z24,b24,d24) (z26,b26,d26)	+OUT
(z6,b6,d6)	EN+
(z8,b8,d8)	EN-

MECHANICALS

hauteur : 8TE

